

Message

From: Dermer, Michele [Dermer.Michele@epa.gov]
Sent: 8/13/2019 8:53:48 PM
To: Ho, Yenhung [Ho.Yenhung@epa.gov]; Albright, David [Albright.David@epa.gov]; Coffman, Joel [Coffman.Joel@epa.gov]; Pierce, Jennifer [pierce.jennifer@epa.gov]
CC: Engelman, Alexa [ENGELMAN.ALEXA@EPA.GOV]
Subject: FW: Regional Monitoring Program - New Publication Released

Hello team,

A couple of things:

There is a link on this announcement for the February 25, 2019 meeting during which USGS reviewed the results of their Orcutt oil field study. This is the study that has been referred to in the newspaper when they are covering AE concerns for Cat Canyon. The link is to a You tube video which is 2 hours and 52 minutes. I watched about an hour so far. As you know we are going to ask about this study when we bring up the Cat Canyon AE during Thursday's monthly meeting.

The main point of this email is a release of a new report by USGS, link forwarded. The main finding of this new report is:

This study demonstrates that infiltration of oil-field water may leach Ra into groundwater by changing salinity and redox conditions in the subsurface rather than by mixing with a high-Ra source.

Things are going to get interesting in California.

From: lyris@swrcb18.waterboards.ca.gov <lyris@swrcb18.waterboards.ca.gov>
Sent: Tuesday, August 13, 2019 12:37 PM
To: Dermer, Michele <Dermer.Michele@epa.gov>
Subject: Regional Monitoring Program - New Publication Released



This is a message from the State Water Resources Control Board.

Now Available!

The State Water Resources Control Board (State Water Board) is pleased to announce the release of a publication for the Regional Monitoring Program in Areas of Oil and Gas operations:

https://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/regional_monitoring/:

- "Occurrence and Sources of Radium in Groundwater Associated with Oil Fields in the Southern San Joaquin Valley, California"

Background

California Water Code section 10783 (Senate Bill 4, Pavley, statutes of 2013) requires the State Water Board to establish and implement a comprehensive groundwater monitoring and oversight program for well stimulation treatment (WST) activities in areas of oil and gas operations. The US Geological Survey (USGS) is technical lead for the Regional Monitoring Program. The goal of the

Regional Monitoring Program is to evaluate potential impacts from oilfield operations and characterize the risk to subsurface water designated for any beneficial use (e.g., drinking water), while prioritizing areas of risk to be monitored. Reports on the status and findings of the Regional Monitoring Program are provided semi-annually in public meetings.

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